

This type of crash is often related to the stop-and-go condition of heavily traveled segments and with congestion conditions in general. The proposed traffic volumes just south of Holcomb Bridge Road are 218,000 Average Annual Daily Traffic (AADT) in 2010 and 237,270 AADT in 2025.

The project proposes to add additional lanes on the northbound side of GA 400 as a solution to these traffic delays. In addition, a need to add one travel lane in the southbound direction was identified in order to improve the safety and operation of this roadway.

On the northbound side of GA 400 the following lanes additions are proposed:

- One lane to be added to the existing three lanes from Holcomb Bridge north to Haynes Bridge, for a total of four lanes.
- Two lanes to be added to the existing two lanes from Haynes Bridge Road to Windward Parkway, for a total of four lanes.
- One lane to be added from Windward Parkway to McFarland Road, for a total of three lanes.

The addition of a southbound travel lane is recommended to alleviate in-bound traffic delays.

On the southbound side of GA 400, the following lane addition is proposed:

- One lane to be added to the existing two lanes from McFarland to Hanes Bridge Road, for a total of three lanes.

In both the northbound and southbound directions, lanes shifts to the existing mainline would be incorporated into the design, in order to provide smooth transitions to the additional lanes. The project proposes to enclose the median, utilizing a concrete barrier between the northbound and southbound lanes from the beginning of the project at Holcomb Bridge Road to the end of the project at McFarland Road.

Traffic would be controlled during construction, and inside lane closures would be required using staged construction. Any temporary lane closures would be structured at non-peak times to minimize disruption to traffic flow. Other projects in the area include project NHS-M001-00(752) in Fulton County, which is for the replacement of outside shoulders along GA 400 and is currently under construction.